

## Title (en)

ENDOSCOPIC EXTRACTION DEVICE HAVING COMPOSITE WIRE CONSTRUCTION

## Publication

**EP 0590050 A4 19940727 (EN)**

## Application

**EP 92914106 A 19920616**

## Priority

- US 9205183 W 19920616
- US 71598791 A 19910617

## Abstract (en)

[origin: US5330482A] Disclosed herein is an endoscopic extraction device which retains its operative usefulness for longer periods of time, and therefore need to be replaced less frequently. This extended instrument life is accomplished through the use of a composite wire construction, which includes, an inner monofilament wire of nitinol material surrounded by six stranded stainless steel wires. A wire construction in which a nitinol wire is surrounded by five stranded stainless steel wires is also disclosed. After constructing a wire basket in the normal manner using this material, heat is applied to the formed basket in its pre-formed shape to set the memory characteristics of the inner nitinol core.

## IPC 1-7

**A61B 17/22**

## IPC 8 full level

**A61B 17/221** (2006.01); **A61B 17/22** (2006.01); **A61F 2/00** (2006.01)

## CPC (source: EP US)

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## C-Set (source: EP US)

1. **D07B 2201/2066** + **D07B 2801/12**
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3. **D07B 2205/3085** + **D07B 2801/14**
4. **D07B 2201/2067** + **D07B 2801/14**
5. **D07B 2201/2051** + **D07B 2801/12**

## Citation (search report)

- [A] DE 3521717 A1 19851219 - OLYMPUS OPTICAL CO [JP]
- [A] EP 0395098 A1 19901031 - TOKIN CORP [JP], et al
- [A] WO 9102493 A1 19910307 - RAYCHEM CORP [US]
- [A] EP 0391384 A2 19901010 - LINDNER ANDREAS [DE]
- [A] DATABASE WPI Week 8933, Derwent World Patents Index; AN 89-236900, SAKAE: "Guiding wire for catheters"

## Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

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